AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A re-selection method for switching a packet data session from a first packet data channel in one cell of a cellular communication network to a second packet data channel in another cell comprising:

beginning a packet data session on a packet data channel in a first cell of said network;

during said packet data session, monitoring the channel quality of adjacent control channels in adjacent cells to identify one or more adjacent cells as potential re-selection candidates;

~~identifying one or more adjacent control channels as potential re-selection candidates;~~

during said packet data session and prior to determining that a cell re-selection procedure is required, reading ~~at least part of the~~ broadcast information on ~~the~~ a control channel identified as a potential re-selection candidate ~~while engaged in said packet data session and prior to initiating a re-selection procedure~~ to prospectively obtain two or more parameters required to establish a new packet data channel for that cell, the two or more parameters being selected from the group consisting of system identification information, channel-specific access parameters, protocol parameters, neighbor list for that cell, the corresponding serving cell's coincidental DCCH pointers, and routing area identity;

when a predetermined re-selection criteria is met, ~~switching to a new packet data channel in the cell corresponding to a selected one of said re-selection candidates~~ selecting a new cell from the potential re-selection candidates, and establishing a new packet data channel using the two or more parameters prospectively obtained from the control channel corresponding to the new cell; and

resuming the packet data session on said new packet data channel.

2. (Original) The re-selection method of claim 1 wherein the re-selection criteria is based upon a signal quality measure.

3. (Original) The re-selection method of claim 2 wherein the signal quality measure is a measure of received signal strength on the control channel.

4. (Original) The re-selection method of claim 3 wherein an adjacent control channel is identified as a re-selection candidate based upon the received signal strength of the control channel.

5. (Original) The re-selection method of claim 4 wherein an adjacent control channel is identified as a re-selection candidate when it is one of the n strongest control channels that are being monitored.

6. (Original) The re-selection method of claim 4 wherein an adjacent control channel is identified as a re-selection candidate when the received signal strength reaches a predetermined threshold.

7. (Currently Amended) A re-selection method comprising:

beginning a communication session on a traffic channel in a first cell;

during said communication session and prior to determining that a cell re-selection procedure is required, reading ~~at least part of the~~ broadcast information on ~~the~~ adjacent control channels in one or more adjacent cells that are identified as potential re-selection candidates to prospectively obtain one or more non-system identification information parameters required to establish a new traffic channel in each of the adjacent cells;

when a predetermined re-selection criteria is met, ~~switching to a new traffic channel in the cell corresponding to a selected one of said re-selection candidates~~ selecting a new cell from the potential re-selection candidates, and establishing a new traffic channel using the one or more parameters prospectively obtained from the control channel corresponding to the new cell; and

resuming the packet data session on said new ~~packet data~~ traffic channel.

8. (Original) The re-selection method of claim 7 wherein the re-selection criteria is based upon a signal quality measure.

9. (Original) The re-selection method of claim 8 wherein the signal quality measure is a measure of received signal strength on the control channel.

10. (Original) The re-selection method of claim 9 wherein an adjacent control channel is identified as a re-selection candidate based upon the received signal strength of the control channel.

11. (Original) The re-selection method of claim 10 wherein an adjacent control channel is identified as a re-selection candidate when it is one of the n strongest control channels that are being monitored.

12. (Original) The re-selection method of claim 10 wherein an adjacent control channel is identified as a re-selection candidate when the received signal strength reaches a predetermined threshold.

13. (Currently Amended) The re-selection method of claim ~~1~~ 7 wherein said reading comprises reading, from said control channel identified as a re-selection candidate, at least one of the items selected from the group consisting of ~~system identification information,~~ channel-specific access parameters, protocol parameters, neighbor list for that cell, the corresponding serving cell's coincidental DCCH pointers, and routing area identity.

14. (Cancelled).